

CODE ANALYSIS

APPLICABLE CODES		
Year		Year
2003	National Electrical Code	2003
2003	Uniform Code for Building Conservation	
2003	ADA Accessibility Guidelines	ICC/ANSI 117.1 1998
2003		

A. Occupancy and Group: A3 (COMMUNITY HALL)

Change in Use: Yes ☐ No ☒ Mixed Occupancy: Yes ☒ No ☐  
Special Use and Occupancy (e.g. High Rise, Covered Walk):

B. Seismic Design Category: N/A Design Wind Speed: N/A mph

C. Type of Construction (circle one):

I A B A B A B HT A A B

D. Fire Resistance Rating Requirements for the Exterior Walls based on the fire separation distance (in hours):

North: South: East: West:

E. Mixed Occupancies: Nonseparated Uses:

F. Sprinklers:

Required: Provided: Type of Sprinkler System:

G. Number of Stories: 1 Building Height: 16'

H: Actual Area per Floor (square feet): EXISTING: 19,700 SF NEW: 0 SF

I: Tabular Area: 9,500 SF

J: Area Modifications:

a)  $A_g = A_1 + \left[ \frac{A_{1L}}{100} + \frac{A_{1S}}{100} \right] I_s = 100 \left[ \frac{F}{P} - 0.25 \right] \frac{W}{30}$

If= 100 [(300/580) - 0.25] x 120/30 = 104

Aa= 9,500 + [(3,500 x 104/100) + (3,500/100)] = 9,500 + 9880 + 95 = 19,475 SF

b) Sum of the Ratio Calculations for Mixed Occupancies:

Actual Area ≤ 1 Allowable Area

c) Total Allowable Area for:

- 1) One Story: 2) Two Story: A<sub>g</sub>(2) 3) Three Story: A<sub>g</sub>(3)

d) Unlimited Area Building: Yes No Code Section:

K. Fire Resistance Rating Requirements for Building Elements (hours).

Fire-Resistive Requirements:

Bearing walls - Interior: 0

Exterior Non-Bearing Walls: 0

Structural Frame: 0

Partitions: 1

Shells: 1 Hr.

Floors - Ceilings: 0

Roofs - Ceilings: 0

Design Occupant Load: 13000 / 15 = 886

Exit Width Required: 173 Exit Width Provided: 432

M. Minimum Number of Required Plumbing Facilities:

- a) Water Closets - Required (m) 4 (f) 7 Provided (m) 16 (f) 17  
b) Lavatories - Required (m) 2 (f) 2 Provided (m) 7 (f) 9  
c) Bath Tubs or Showers: d) Drinking Fountains: 1 Service Sinks: 1

FOOTNOTES:

1) In case of conflict with the U.S. Department of Justice Federal Registers Parts I through V - ADA Guidelines and specific reference to the International Building Code Accessibility Chapters, the more restrictive requirement shall govern.

2) Additional Code Information shall be provided at the discretion of the Building Official for Complex Buildings. Including, but not limited to:

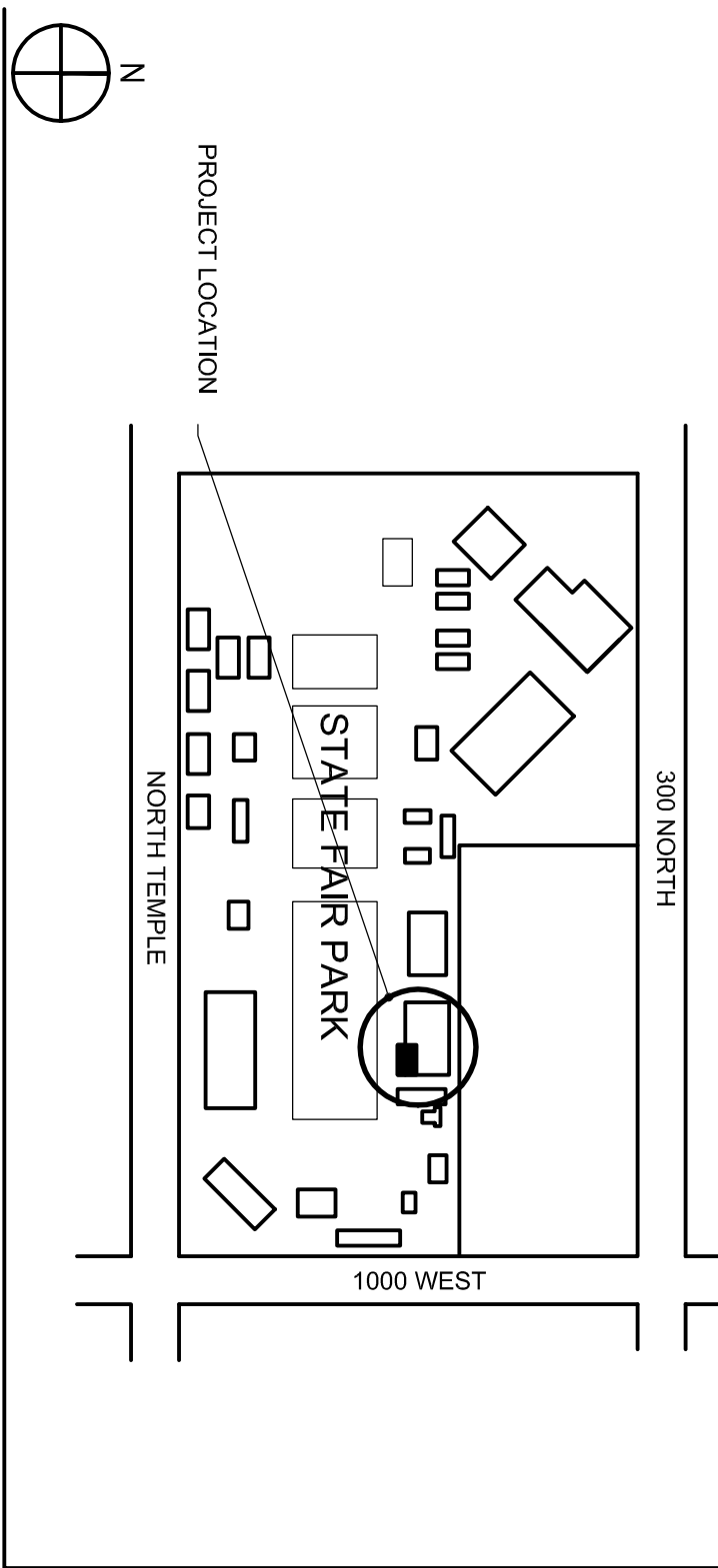
- a) High Rise Requirements.  
b) Atriums.  
c) Performance Based Criteria.  
d) Means of Egress Analysis.  
e) Fire Assembly Locator Sheet.  
f) Exterior and Interior Accessibility Route.  
g) Fire Stopping Including Tested Design Number.

PROJECT TEAM

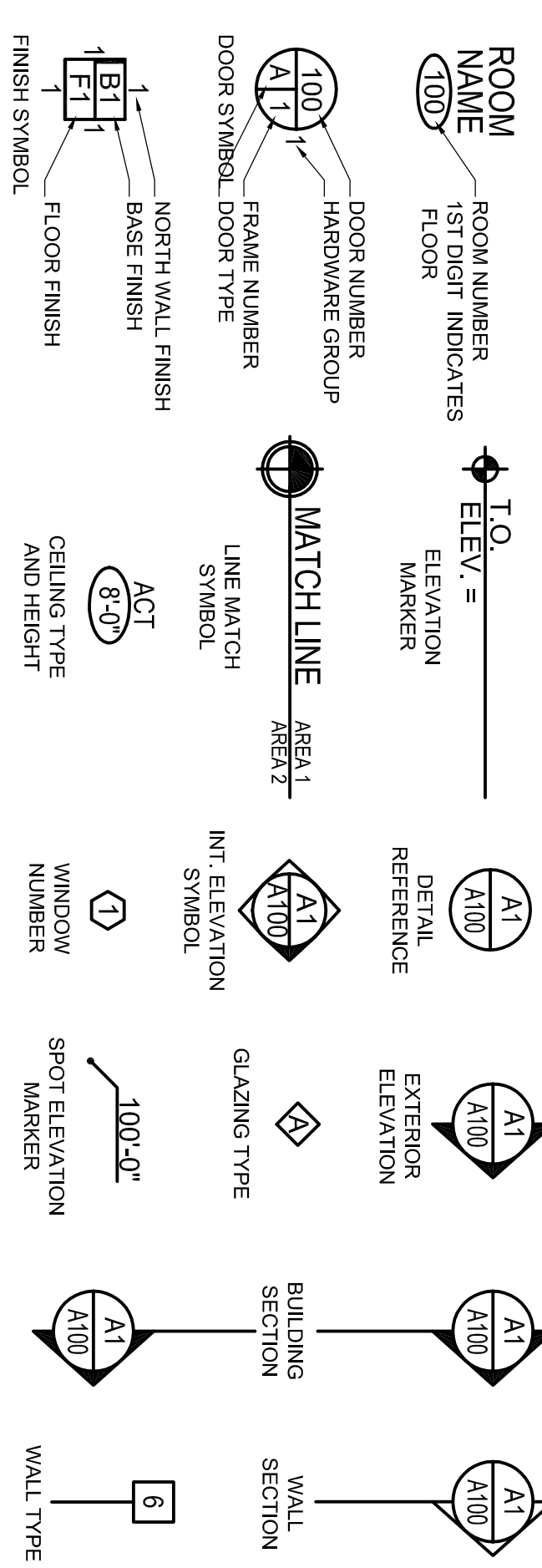
OWNER: DFCM Kurt Baxter Project Manager 4110 State Office Bldg. Salt Lake City, Utah 84114 phone (801)538-8472  
USER: STATE FAIR PARK Andrew Catlino phone (801)538-8472  
ARCHITECT: AXIS ARCHITECTS Pierre O. Langue AIA 610 I Street Salt Lake City, Utah 84103 phone (801)355-3003 fax (801)355-8578  
MECHANICAL: Spectrum Engineers Wade Barron 175 South Main Street Salt Lake City, Utah 84111 phone (801)328-5151  
ELECTRICAL: BNA Consulting Elaine Fawson 635 S. State Street Salt Lake City, Utah 84111 phone (801)355-3003 fax (801)355-8578

STRUCTURAL: Dunn Engineers Ron Dunn 380 West 800 South suite 100 Salt Lake City, Utah 84111 phone (801)575-8877 fax (801)575-8875

VICINITY MAP



SYMBOL LEGEND



DRAWING INDEX

GENERAL: G101 GENERAL INFORMATION  
ARCHITECTURAL: A101 DEMOLITION FLOOR PLAN  
A101 ANNOTATED FLOOR PLAN  
A102 DIMENSIONED FLOOR PLAN  
A1111 REFLECTED CEILING PLAN  
A101 INTERIOR ELEVATIONS

STRUCTURAL

S101 IN DETAIL BOOK  
S102 FRAMING PLAN  
S102 HATCHES/SCHEDULE

MECHANICAL

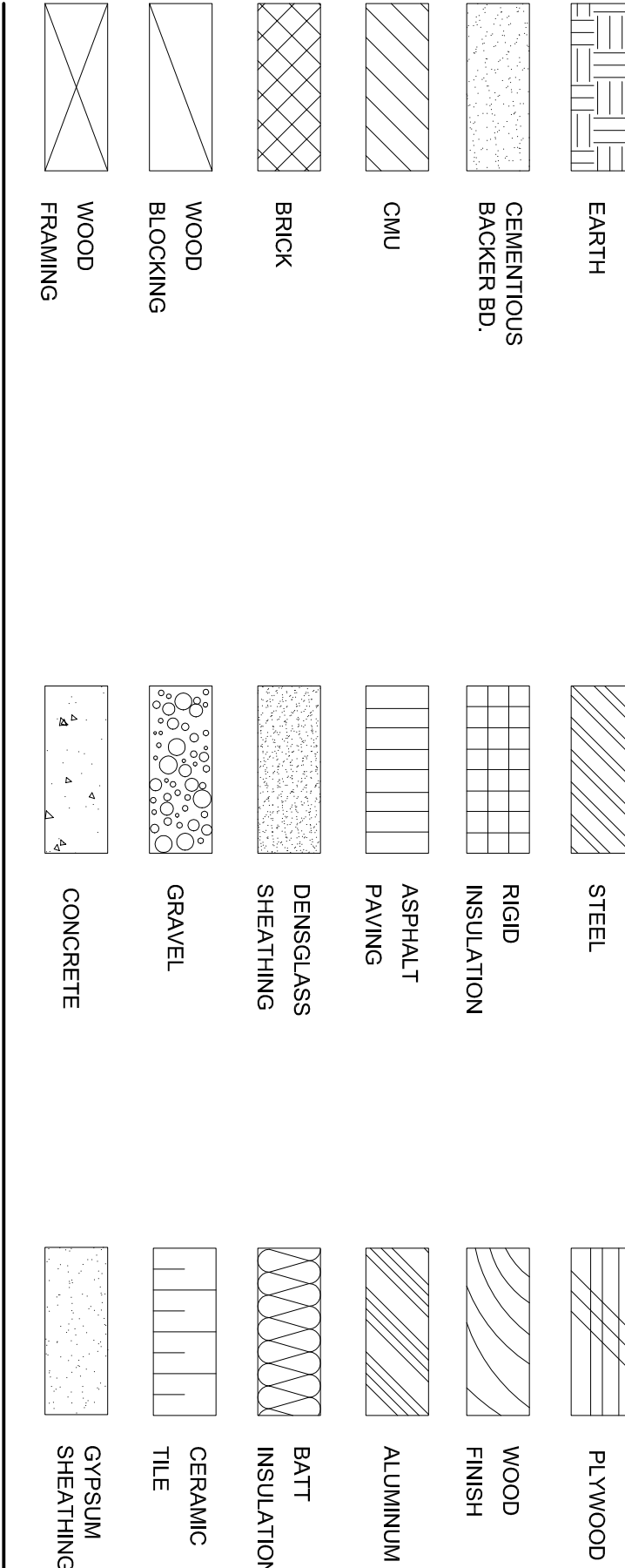
M101 MECHANICAL NOTES AND SYMBOL LEGEND  
M101 MECHANICAL SCHEDULES AND DETAIL  
M101 MECHANICAL DEMOLITION FLOOR PLAN  
M101 MECHANICAL FLOOR PLAN  
P101 PLUMBING DEMOLITION FLOOR PLAN  
P101 PLUMBING FLOOR PLAN

ELECTRICAL

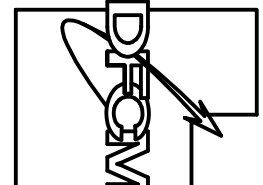
E101 ELECT SYMBOLS SCHEDULES AND NOTES  
E101 LIGHTING PLAN  
E101 POWER PLAN  
E101 ELECTRICAL DIAGRAMS

NOTE: THE SHEETS LISTED ABOVE REPRESENT A FULL SET OF CONSTRUCTION DOCUMENTS AND INCLUDE A DETAIL BOOK AND A PROJECT MANUAL. AND SHALL NOT BE GENERATED BY ANY CONTRACTOR, SUBCONTRACTOR, OR BIDDER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING ALL THE CONSTRUCTION DOCUMENTS INCLUDING BUT NOT LIMITED TO DRAWINGS, DETAILS, PROJECT MANUAL, SPECIFICATIONS AND ANY AND ALL APPENDIX ISSUED.

GRAPHIC SYMBOLS



State of Utah  
Department of Administrative Services  
Division of Facilities  
Construction & Management  
4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267



4110 State Office Building  
Salt Lake City, Utah 84114  
Phone: (801) 538 - 3018  
Fax: (801) 538 - 3267

STATE FAIR PARK  
ADA Restroom Upgrade  
DFCM PROJECT # 05254370  
155 N. 1000 West Salt Lake City, Utah 84116

APPROVALS

Prime Agency

Date

DFCM

Date

APPROVAL, DESIGN, NOT RELIEVE A.E. OF DESIGN LIABILITY

Revision # Date

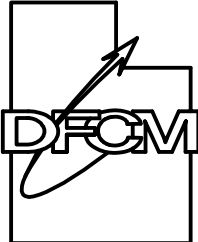
Owner # 0518  
Date 2-08-06  
Drawn  
Checked

Axis Job # 0518  
Owner # DFCM # 05254370  
Date 2-08-06  
Drawn  
Checked

INFORMATION SHEET

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G1101



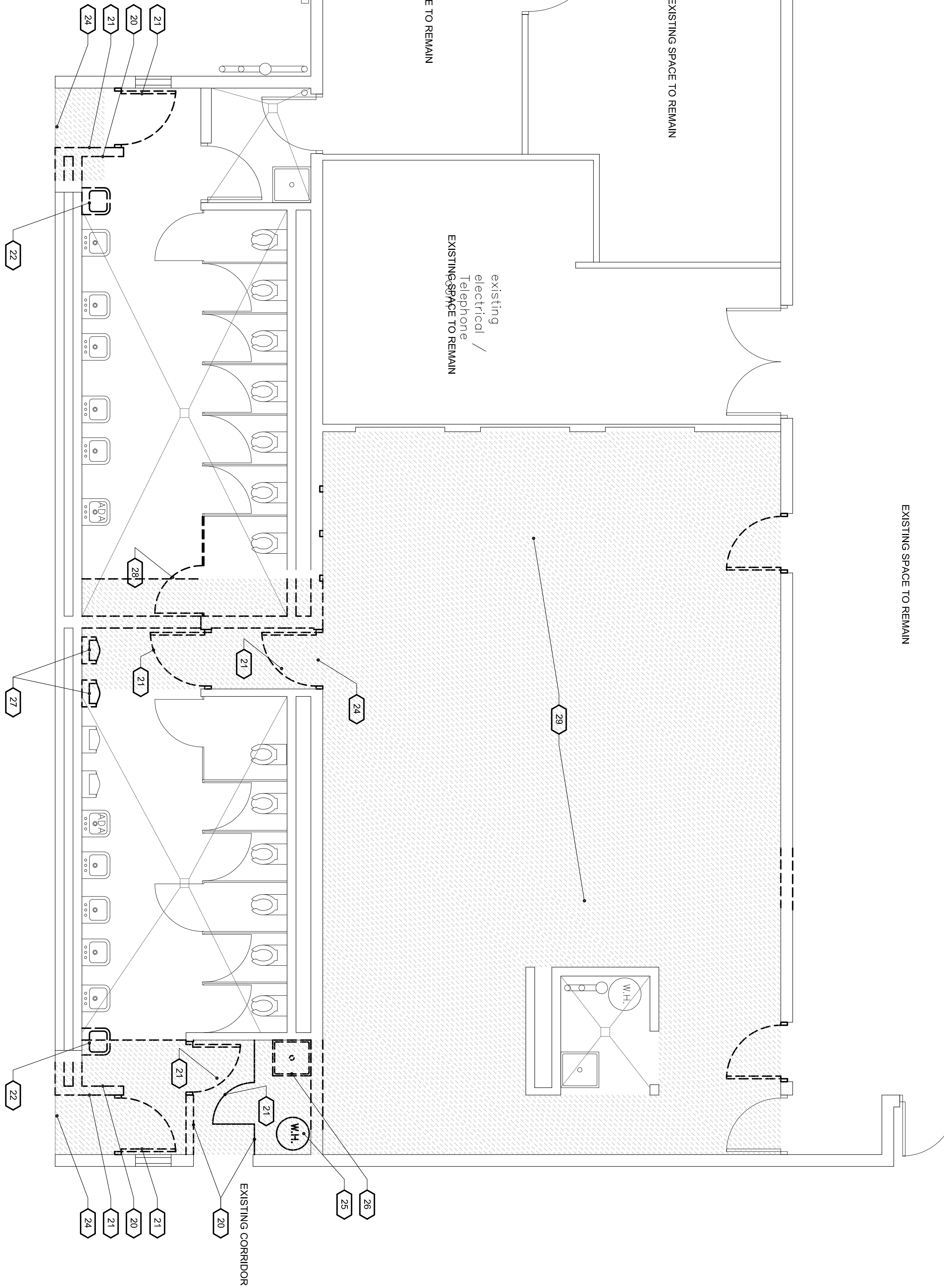
Axis Architects

352 S. DENVER ST. SUITE 205 - SALT LAKE CITY - UTAH 84111 - P 355-3003 - F 355-0113

DEMOLITION KEYNOTE LEGEND

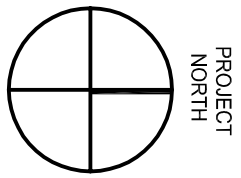
1A

- 1 EXISTING WALL TO REMAIN
- 2 EXISTING DOOR AND FRAME TO REMAIN
- 3 EXISTING PLUMBING FIXTURE TO REMAIN
- 4 EXISTING PARTITION TO REMAIN
- 5 EXISTING FIXTURE TO REMAIN
- 6 EXISTING WALL TILE TO REMAIN
- 7 EXISTING TO REMAIN
- 8 REMOVE WALL
- 9 REMOVE DOOR AND FRAME AND SALVAGE FOR OWNER
- 10 REMOVE SINK AND ASSOCIATED PLUMBING - CAP OFF
- 11 REMOVE SEMI-RECESSED TRASH CONTAINER
- 12 SALVAGE AND RELOCATE
- 13 REMOVE HEADER AFTER BRACING AND INSTALLING NEW HEADER
- 14 REMOVE WATER HEATER AND ASSOCIATED PLUMBING
- 15 REMOVE WOP SINK AND ASSOCIATED PLUMBING
- 16 REMOVE URINAL AND ASSOCIATED PLUMBING - CAP OFF
- 17 REMOVE TOILET COMPARTMENT PARTITION
- 18 REMOVE CONCRETE SLAB -
- 19 REMOVE UNUSED PLUMBING TYP. AT HATCHED AREA.

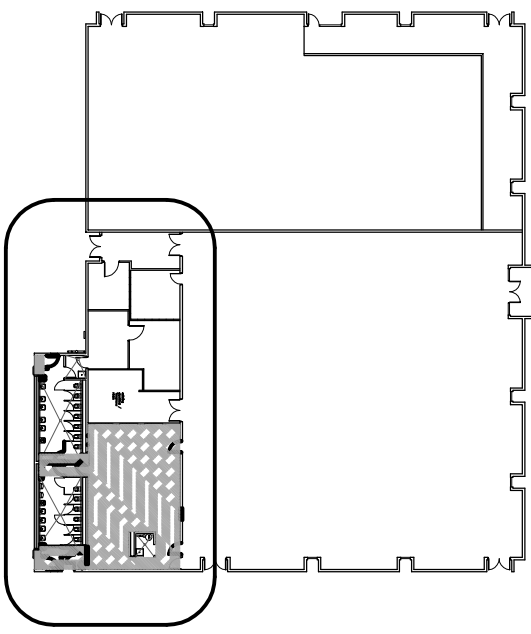


B3 DEMOLITION PLAN

SCALE: 1/4"=1'-0"



KEY PLAN

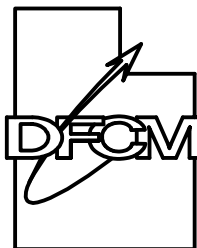


NOTES

1. CONTRACTOR TO PROTECT EXISTING BLDG. DURING CONSTRUCTION INCLUDING CARPET AND OTHER FINISHES, DOORS AND FRAMES ETC.
2. SALVAGE SOME OF THE WALL TILE AS POSSIBLE FOR PATCH AND REPAIR.

STATE FAIR PARK  
ADA Restroom Upgrades

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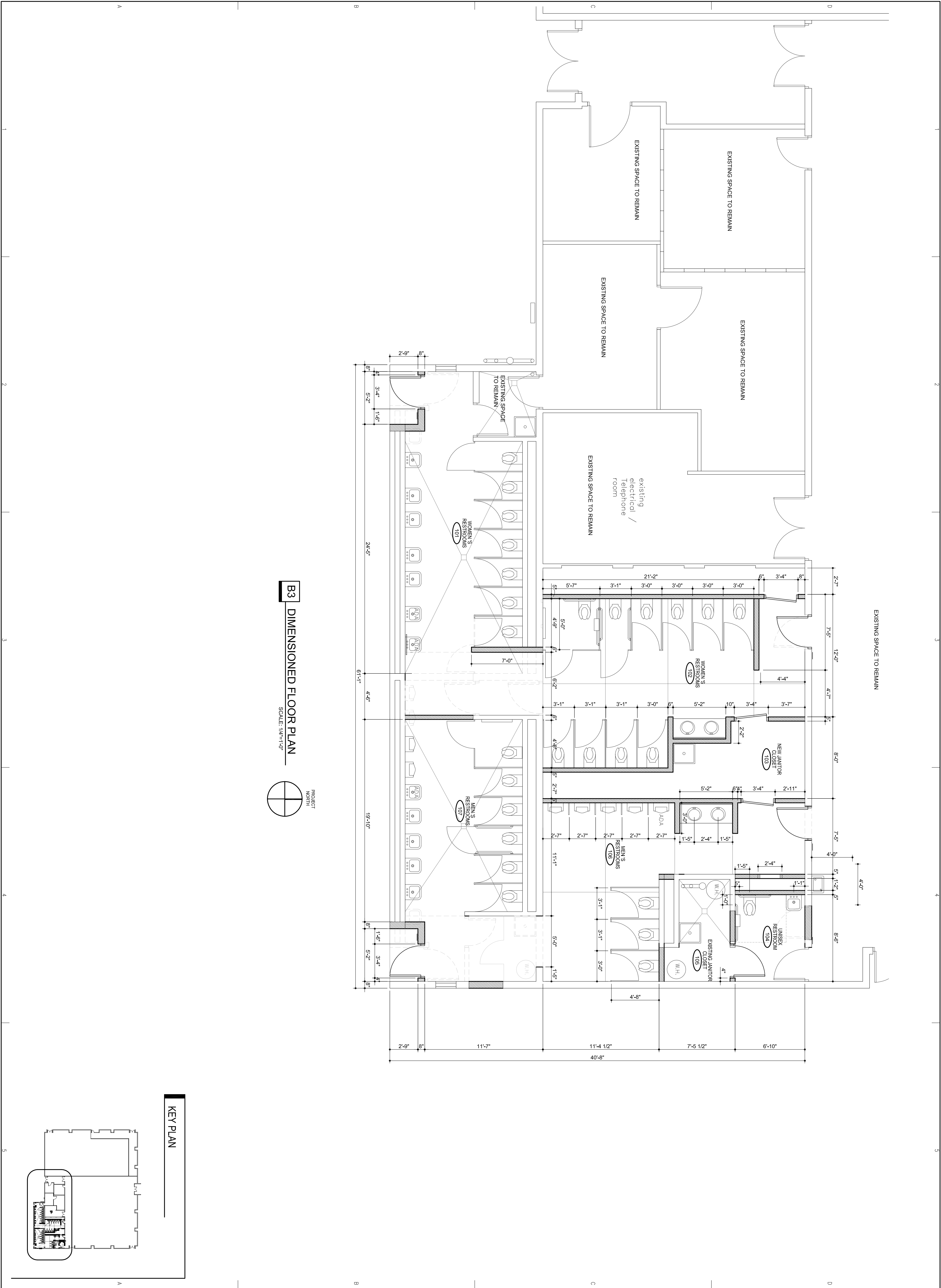


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AD101

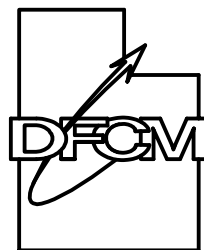




# STATE FAIR PARK

## ADA Restroom Upgrades

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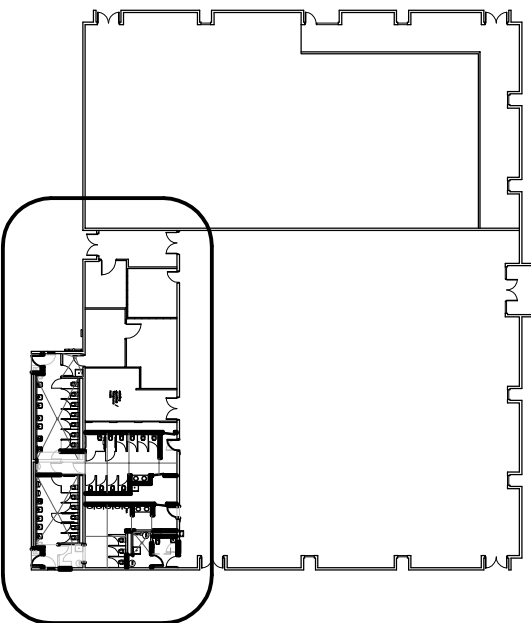
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Axis Job # 0618  
Owner # DFCM # 06254370  
Date 2-08-06  
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Checked PL

DIMENSIONED FLOOR PLAN


KEY PLAN





AE102





CEILING SYMBOL LEGEND

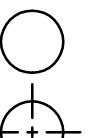
 2 X 2 FLUORESCENT LIGHT FIXTURE.  
REFER TO ELECTRICAL DRAWINGS.


 2 X 4 FLUORESCENT LIGHT FIXTURE.  
REFER TO ELECTRICAL DRAWINGS.


 1 X 4 FLUORESCENT LIGHT FIXTURE.  
REFER TO ELECTRICAL DRAWINGS.


 RECESSED DOWNLIGHT FIXTURE.  
REFER TO ELECTRICAL DRAWINGS.


 WALL MOUNTED LUMINAIRE.  
REFER TO ELECTRICAL DRAWINGS.


 PENDANT FIXTURE


 WALL SCONCE

 WALL MOUNTED FIXTURE

 EMERGENCY EXIT LIGHTING

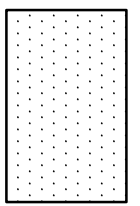

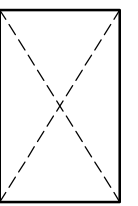
 RETURN AIR REGISTER. REFER  
TO ELECTRICAL DRAWINGS.

 SUPPLY AIR DIFFUSER. REFER  
TO ELECTRICAL DRAWINGS.

 ACCESS PANEL. SEE MECH. FOR FINAL SIZE AND LOCATION  
NOTE: ADDITIONAL ACCESS PANELS MAY BE  
REQUIRED COORD. WITH MECH. AND ELEC.

ALSO REFER TO ELECTRICAL AND MECHANICAL DRAWINGS

CEILING SCHEDULE	A — MATERIAL 8'-0" — ELEVATION ABOVE F.F.
------------------	---

 A NEW PAINTED GYP. BOARD CEILING LINE UP WITH EXISTING HEIGHT	 EXIST EXISTING GYP. BOARD CEILING
 OTS OPEN TO STRUCTURE	

NOTES

1. SEE DETAILS CL-SERIES IN DETAIL BOOK.

2. REPAIR CEILINGS AS NEEDED FOR NEW WORK.

STATE FAIR PARK

ADA Restroom Upgrades

Conference Center - 155 N.1000 West, SLC. Utah 84116

Revision #	Date
1	
2	
3	
4	
5	

Axis Job # 0518

Owner # DFCM # 05254370

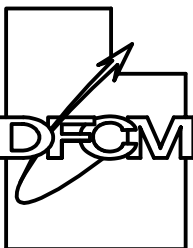
Date 2-08-06

Drawn PL

Checked

REFLECTED CEILING PLAN

AE1111



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KEYNOTE LEGEND

INTERIOR ELEVATIONS

8 - DOORS AND WINDOWS:

- 8A RE-USE EXIST. FRAME W/ GLASS - PAINT
- 8B NEW DOOR AND FRAME

9 - FINISHES

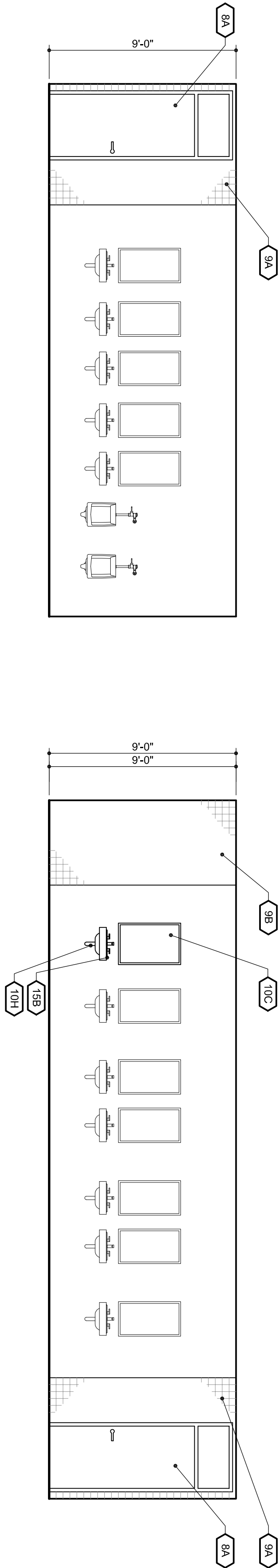
- 9A 4x4 CERAMIC TILE - WHITE
- 9B 4x4 CERAMIC TILE - FROM SALVAGED EXIST.
- 9C PAINTED GYP. BOARD

10 - SPECIALTIES

- 10A 36" GRAB BAR
- 10B 42" GRAB BAR
- 10C MIRROR
- 10D NEW TOILET PARTITION - TYP.
- 10E EXIST. TOILET PARTITION
- 10F NEW URINAL SCREEN - TYP.
- 10G FOLDING BABY TABLE
- 10H ADA PIPE PROTECTION KIT
- 10I 12" SHELVES
- 10K MOP RACK

15 - MECHANICAL:

- 15A NEW TOILET - TYP.
- 15B NEW SINK - TYP.
- 15C NEW URINAL - TYP.
- 15D EXIST. MECH. LOUVER - PAINT.
- 15E EXIST. TOILET - TYP.
- 15F EXIST. SINK - TYP.
- 15G EXIST. URINAL - TYP.
- 15H NEW MOP SINK
- 15I EXIST. MOP SINK
- 15J NEW WATER HEATER
- 15K EXIST. WATER HEATER

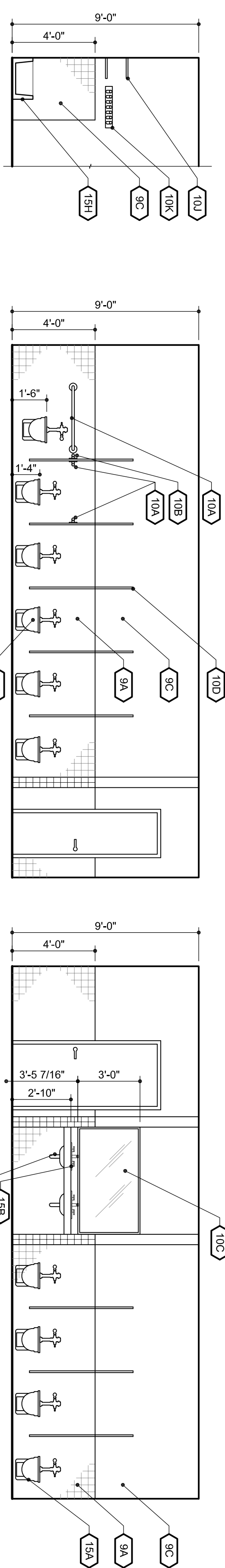


D2 MEN'S RESTROOM 107

SCALE: 1/4"=1'-0"

D4 WOMEN'S RESTROOM 101

SCALE: 1/4"=1'-0"

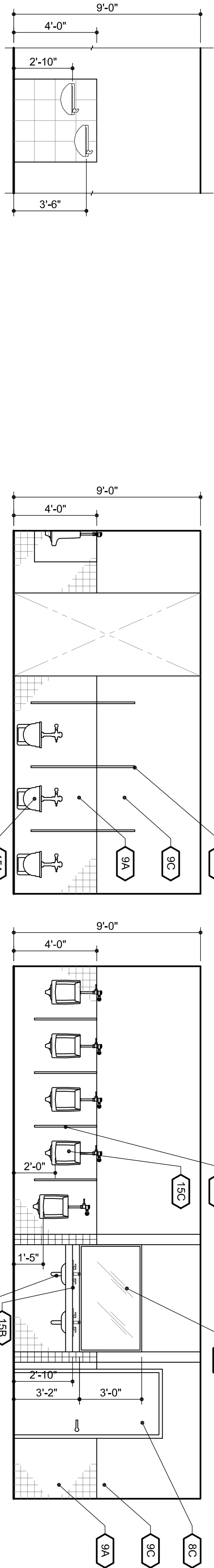


C2 JANITOR CLOSET 105

SCALE: 1/4"=1'-0"

C4 WOMEN'S RESTROOM 102

SCALE: 1/4"=1'-0"

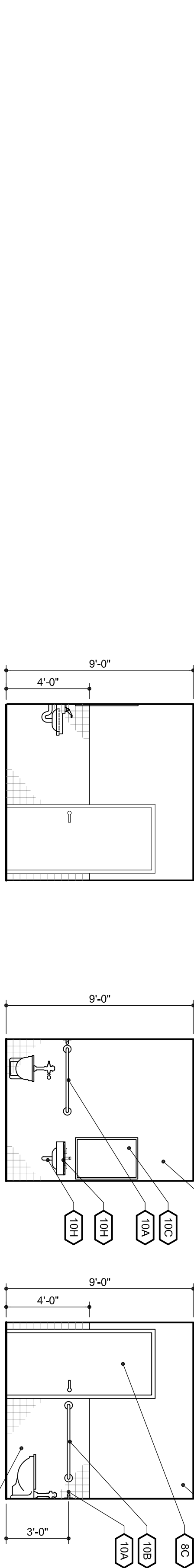


B2 WATER FOUNTAIN ELEVATION

SCALE: 1/4"=1'-0"

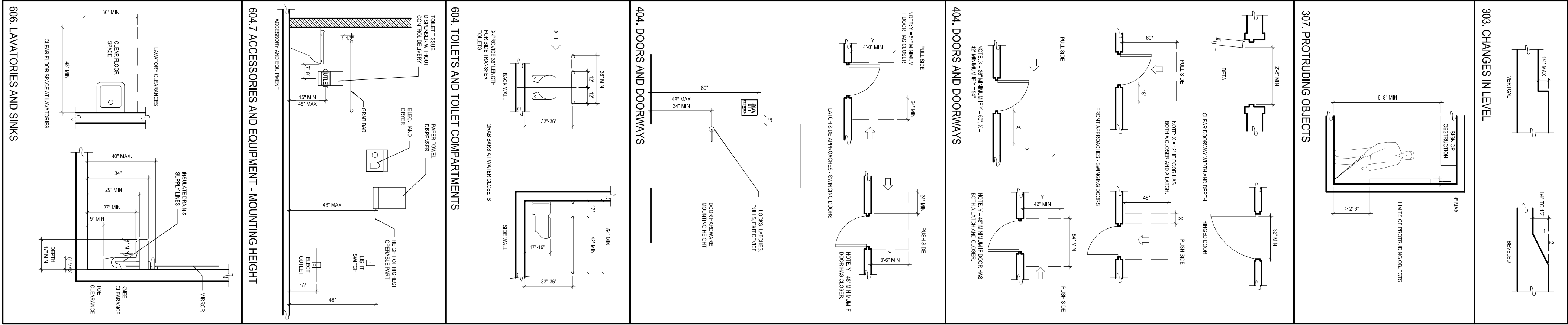
B4 MEN'S RESTROOM 106

SCALE: 1/4"=1'-0"



A4 UNISEX RESTROOM 104

SCALE: 1/4"=1'-0"



NOTES

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO FABRICATION
2. SEE DETAILS IN-SERIE FOR SIGNAGE

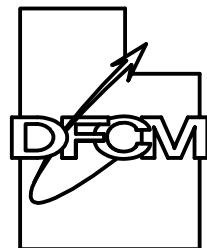
STATE FAIR PARK  
ADA Restroom Upgrades

Conference Center - 155 N.1000 West, SLC. Utah 84116

Revision # Date

Axis Job # 0618  
Owner # DFCM # 05254370  
Date 2-08-06  
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INTERIOR ELEVATIONS



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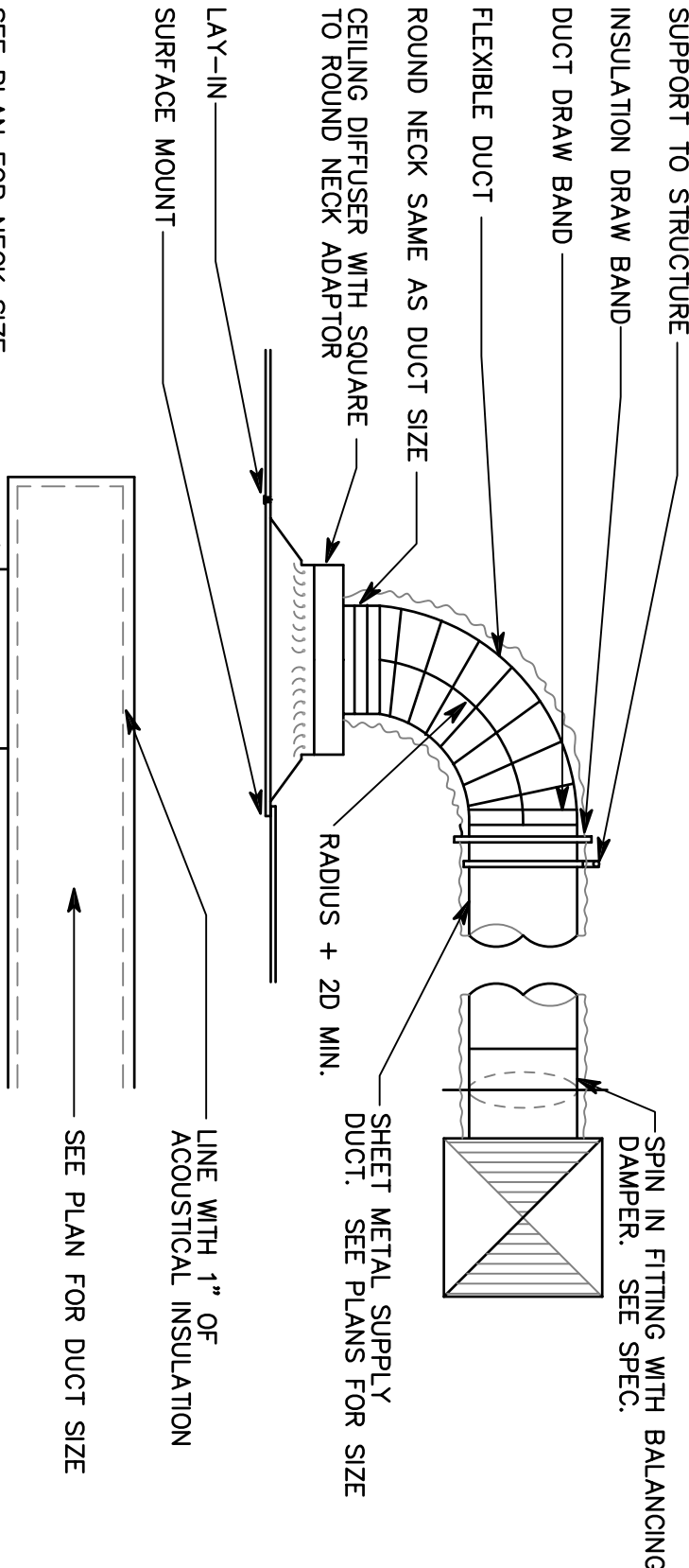
610 " I " STREET SALT LAKE CITY UTAH 84103 P 355-3003 F 355-8578

AE401



GRILLES, REGISTERS AND DIFFUSERS						
SYM	MANUFAC.	MODEL	SIZE	MAX CFM	MAX ING	DESCRIPTION
CO-1	PRICE	SCDA	6 x 6	125	30	PERFORATED FACE CEILING DIFFUSERS. REMOVABLE FACE & CORE. INDIVIDUALLY ADJUSTABLE CURVED BLADES, WITH OBD. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQ'D. BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24" x 24", 24" x 12" 12 X12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. PROVIDE ROUND NECK ADAPTER.
			9 x 9	250		
			12 x 12	425		
			15 x 15	625		
	EH PRICE	PDDR	10 x 10	350	30	PERFORATED FACE RETURN AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES HSLL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE. AIR QUANTITY SHALL MATCH ROOM SUPPLY OR EXHAUST AIR QUANTITY.
			12 x 12	500		
			14 x 14	550		
			10 x 22	625		
RG-1	EH PRICE	PDDR	16 x 16	725	20	PERFORATED FACE EXHAUST AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES HSLL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE.
			18 x 18	900		
			20 x 20	1000		
			10 x 10	350		
EG-1	EH PRICE	PDDR	12 x 12	500	16	PERFORATED FACE EXHAUST AIR UNIT, REMOVABLE FACE & CORE. FRAME SHALL BE FOR SURFACE OR LAY-IN MOUNTING AS REQUIRED BY CEILING TYPE. LAY-IN FRAMES HSLL BE 24" x 24", 24" x 12" OR 12" x 12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILABLE.
			14 x 14	680		
			15 x 15	780		
			10 x 10	350		
L-1	PRICE	SDS 100			16	LINEAR SLOT DIFFUSER, CURVED FACE, FRAME 16 FIELD VERIFY EXACT DIMENSIONS, COLOR AND FINISH TO BE SELECTED BY ARCHITECT.

GAS FIRED WATER HEATER SCHEDULE													
SYMBOL	MANUFACTURER	MODEL NO.	LOCATION	SERVICE	FUEL TYPE/ PRESSURE	STORAGE CAPACITY (GAL.)	RECOVERY RATE (GPH)	INPUT CAPACITY (MBH)	WATER IN/OUT	OVERALL SIZE	STACK CONNECTION	WEIGHT (LBS.)	OPERATING
WH-1	AO SMITH	GCYL-30	JANITOR'S CLOSET	INDOOR RESTROOMS	GAS	30	41	40	40/30	19/49	4	360	



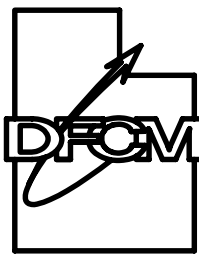
## MECHANICAL SCHEDULES AND DETAILS

AXIS JOB #	0518
Owner #	DFCM # 05254370
Date	12-05-05
Drawn	TNB
Checked	JTJ

# STATE FAIR PARK

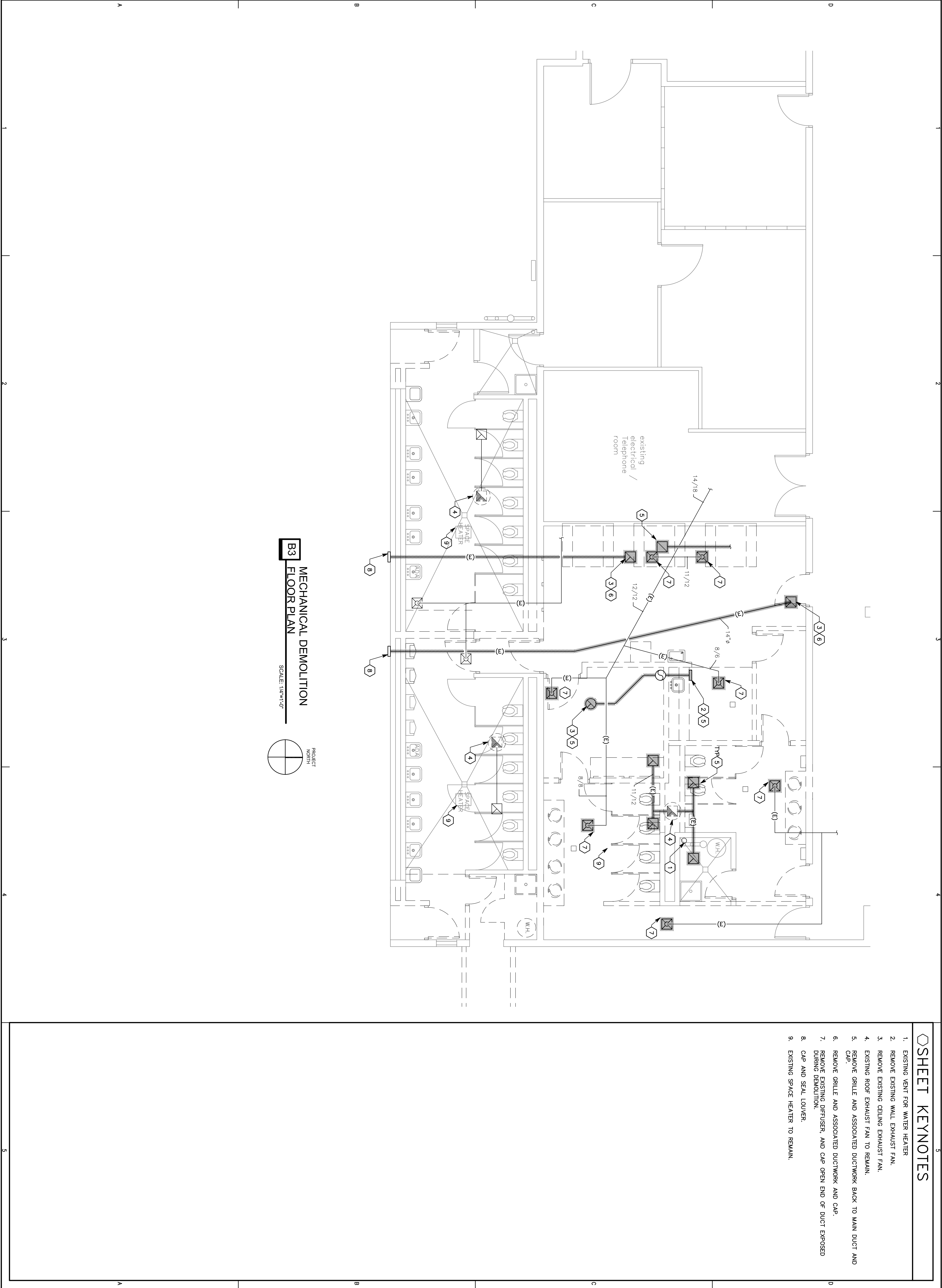
## ADA Restroom Upgrade

Conference Center - 155 N.1000 West, SLC. Utah 84116



# Axis Architects





Revision #

Date

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Axis Job #

0618

Owner #

DFCM # 06254370

Date

12-05-05

Dgwn

TNB

Checked

JTJ

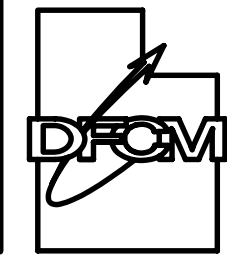
MECHANICAL DEMOLITION

FLOOR PLAN

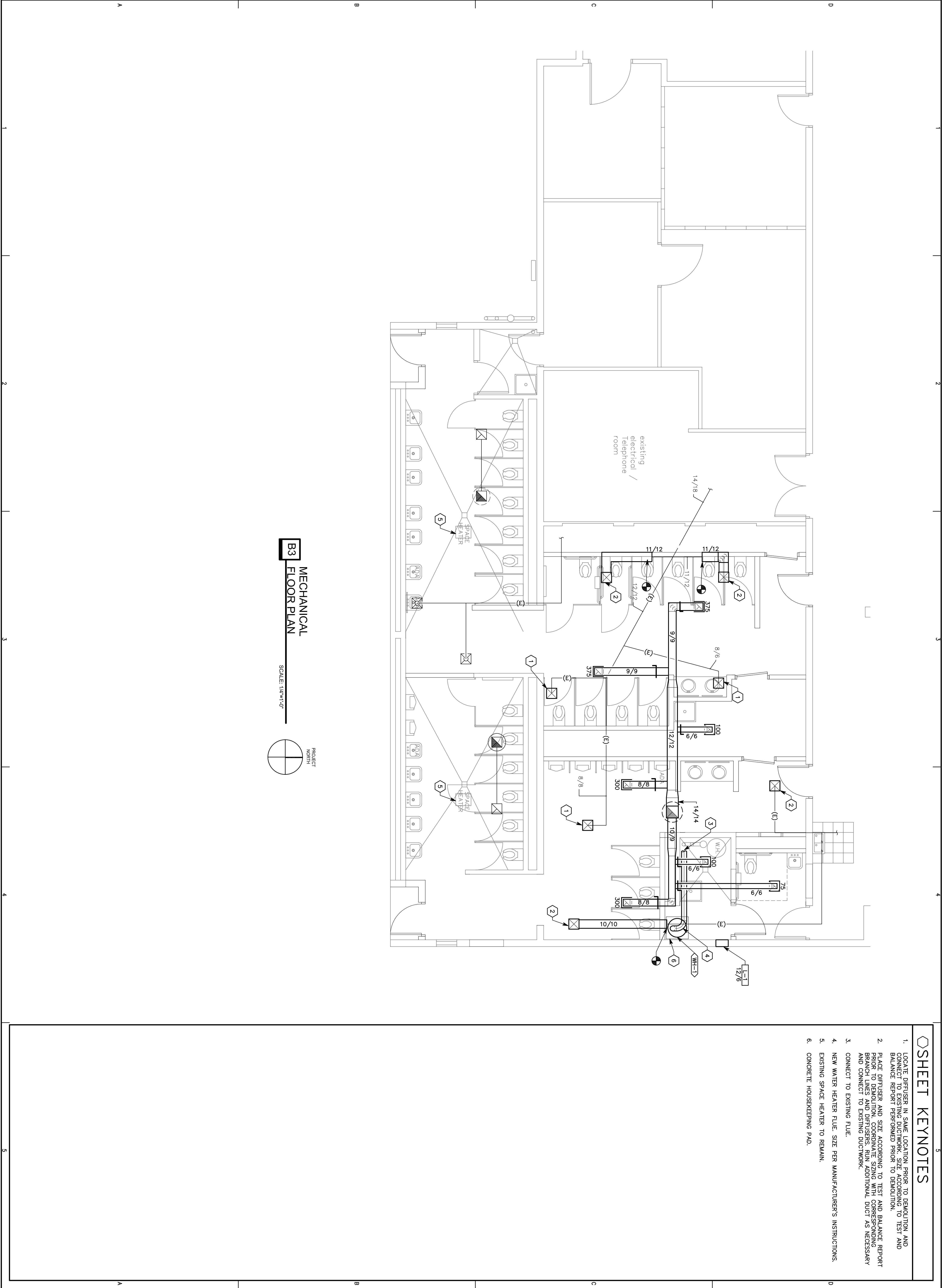
MD101

# STATE FAIR PARK ADA Restroom Upgrade

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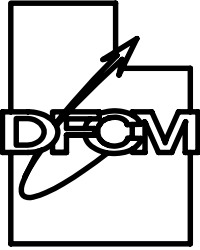
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SHEET KEYNOTES

1. LOCATE DIFFUSER IN SAME LOCATION PRIOR TO DEMOLITION AND CONNECT TO EXISTING DUCTWORK. SIZE ACCORDING TO TEST AND BALANCE REPORT PERFORMED PRIOR TO DEMOLITION.
2. PLACE DIFFUSER AND SIZE ACCORDING TO TEST AND BALANCE REPORT PRIOR TO DEMOLITION. COORDINATE SIZING WITH CORRESPONDING BRANCH LINES AND DIFFUSERS. RUN ADDITIONAL DUCT AS NECESSARY AND CONNECT TO EXISTING DUCTWORK.
3. CONNECT TO EXISTING FLUE.
4. NEW WATER HEATER FLUE. SIZE PER MANUFACTURER'S INSTRUCTIONS.
5. EXISTING SPACE HEATER TO REMAIN.
6. CONCRETE HOUSEKEEPING PAD.

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Conference Center - 155 N.1000 West, SLC. Utah 84116



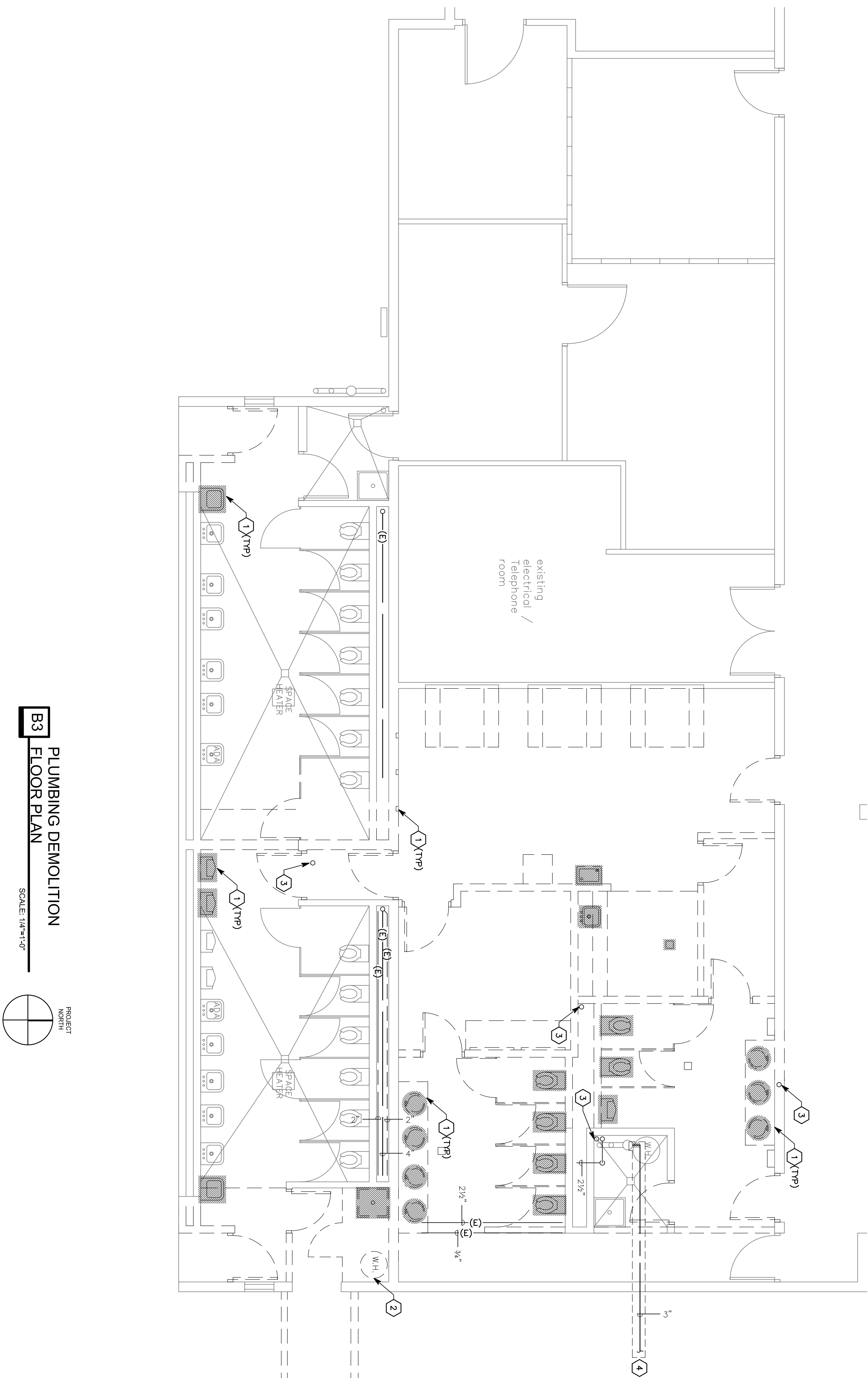
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Axis Job # 0618  
Owner # DFCM # 06254370  
Date 12-05-05  
Drawn TNB  
Checked JTJ

MECHANICAL  
FLOORPLAN

MH101



# GENERAL PLUMBING NOTES

1. REFER TO MECHANICAL SHEET ME001 FOR SYMBOLS LEGEND.
2. LOCATION AND ELEVATIONS OF EXISTING UTILITIES SHOWN HAVE BEEN TAKEN FROM A SITE SURVEY AND ARE APPROXIMATE ONLY. FIELD VERIFICATION OF EXISTING UTILITIES LOCATION AND ELEVATION IS REQUIRED PRIOR TO STARTING ANY WORK.
3. INSTALL WATER, GAS, VENT AND ROOF DRAIN PIPING SHOWN ABOVE THE CEILING UNLESS NOTED OTHERWISE.
4. INSTALL WASTE PIPING SHOWN BELOW THE FLOOR UNLESS NOTED OTHERWISE.
5. INSTALL ALL PIPING SHOWN IN EXTERIOR WALLS ON THE WARM SIDE OF THE BUILDING INSULATION.
6. DO NOT RUN PIPING ABOVE ELECTRICAL PANELS. PROVIDE 4"-0" DEEP 6"-6" HIGH CLEAR ACCESS SPACE IN FRONT OF PANELS. DO NOT RUN PIPING IN ELECTRICAL ROOMS.
7. PROVIDE 2" MINIMUM WASTE PIPING BELOW GRADE.
8. FIELD DETERMINE EXACT SIZE, ELEVATION AND LOCATION OF EXISTING PIPING INSIDE THE BUILDING AT SPECIFIED CONNECTION POINTS PRIOR TO STARTING ANY WORK.
9. SAW CUT EXISTING FLOOR AS REQUIRED TO RUN NEW WASTE AND VENT PIPING. PATCH AND REPAIR TO MATCH EXISTING.
10. SAW CUT OR CORE DRILL ALL NEW PENETRATIONS THRU EXISTING MASONRY CONSTRUCTION.
11. PATCH AND REPAIR ALL EXISTING SURFACES DAMAGED BY NEW CONSTRUCTION TO MATCH EXISTING.
12. COORDINATE EXACT LOCATION OF FIXTURES AND DRAINS WITH ARCHITECTURAL DRAWINGS.
13. PROVIDE CEILING ACCESS PANELS AS REQUIRED WHERE MECHANICAL AND PLUMBING EQUIPMENT, VALVES, ETC. ARE LOCATED ABOVE INACCESSIBLE CEILINGS.

# SHEET KEYNOTES

1. REMOVE EXTURE AND ASSOCIATED PLUMBING BACK TO ACTIVE MAINS AND CAP.
2. REMOVE WATER HEATER, MAINTAIN HOT WATER LINE, AND CAP FOR FUTURE RECONNECTION. REMOVE ASSOCIATED GAS LINE BACK TO ACTIVE MAIN AND CAP.
3. EXISTING VENT THROUGH ROOF.
4. MAIN WATER SUPPLY REMOVE AND REPLACE TO 20 FEET OUTSIDE OF 4. BUILDING..

# STATE FAIR PARK ADA Restroom Upgrade

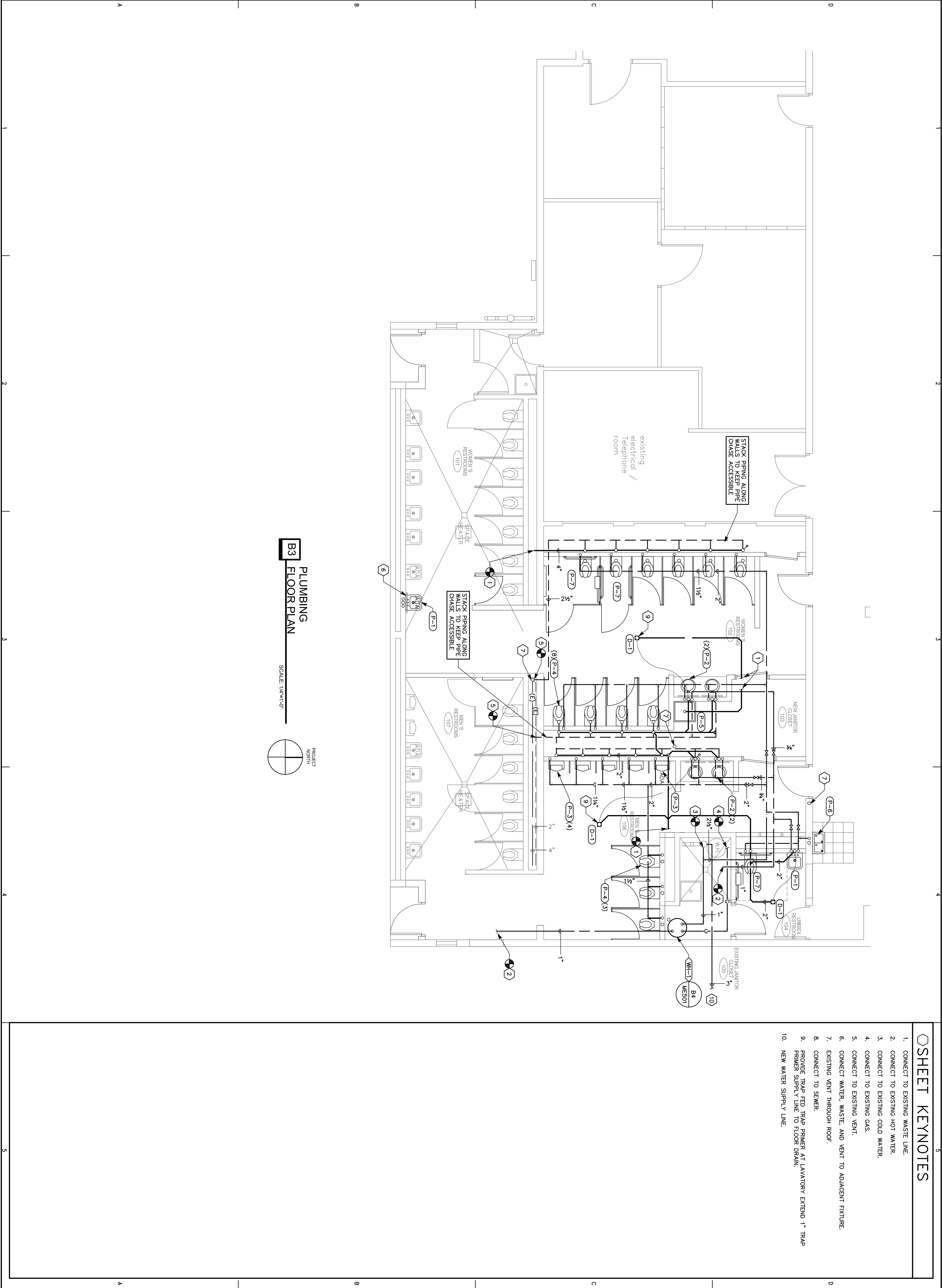
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Revision #      Date

Axis Job #	0518
Owner #	DFCM # 05254370
Date	12-05-05
Drawn	TNB
Checked	JTJ

PLUMBING DEMOLITION  
FLOOR PLAN

# PD101



SHEET KEYNOTES

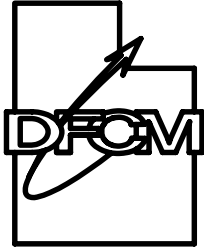
1. CONNECT TO EXISTING WASTE LINE.
2. CONNECT TO EXISTING HOT WATER.
3. CONNECT TO EXISTING COLD WATER.
4. CONNECT TO EXISTING GAS.
5. CONNECT TO EXISTING VENT.
6. CONNECT WATER, WASTE, AND VENT TO ADJACENT FIXTURE.
7. EXISTING VENT THROUGH ROOF.
8. CONNECT TO SEWER.
9. PROVIDE TRAP FED TRAP PRIMER AT LAVATORY EXTEND 1" TRAP PRIMER SUPPLY LINE TO FLOOR DRAIN.
10. NEW WATER SUPPLY LINE.

STATE FAIR PARK  
ADA Restroom Upgrade  
Conference Center - 155 N.1000 West, SLC. Utah 84116

Revision # Date

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Drawn TNB  
Checked JJJ

PLUMBING  
FLOOR PLAN



Axis Architects

610 " I " STREET SALT LAKE CITY UTAH 84103 P 355-3003 F 355-8578

PL101



FIXTURE SCHEDULE

TYPE	DESCRIPTION	CATALOG NUMBER	VOLTS	LAMPS
A12	WALL MOUNTED 12" FLUORESCENT	KEWALL	120	(2) F32 T8 S35
A16	HIGH ABUSE, 2-4AMPS PER 4'; ELECTRONIC BALLAST	MJ48S B48 M48 E48 F LG PR 232 EB 1 120	120	(2) F32 T8 S35
A20	HIGH ABUSE, 2-4AMPS PER 4'; ELECTRONIC BALLAST	MJ48S B48 2M48 E48 F LG PR 232 EB 1 120	120	(2) F32 T8 S35
A4	HIGH ABUSE, 2-4AMPS PER 4'; ELECTRONIC BALLAST	MJ48S B48 3M48 E48 F LG PR 232 EB 1 120	120	(2) F32 T8 S35
A4E	HIGH ABUSE, 2-4AMPS, ELECTRONIC BALLAST	MJ48 4 F LG PR 232 EB 1 120	120	(2) F32 T8 S35
A8	HIGH ABUSE, 2-4AMPS, ELECTRONIC BALLAST	MJ48 4 F LG PR 232 EB 1 120 PEL	120	(2) F32 T8 S35
B	WALL MOUNTED 8" FLUORESCENT	KEWALL	120	(2) F32 T8 S35
CE	RECESSED FLUORESCENT DOWNLIGHT, 6" APERTURE CLEAR ALZAK REFLECTOR; EMERGENCY BATTERY PACK INTEGRAL TEST SWITCH	CE23M LITROCK F 132 T8 6AR LD 120 EL	120	(2) F32 T8 S35 (1) 2X4 T8T

GENERAL NOTES

- CONSULT ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
- VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH IN. CONSULT MECHANICAL CONTRACTORS AND SHOP DRAWINGS TO INSURE ALL CODE CLEARANCES REQUIRED AROUND ALL ELECTRICAL EQUIPMENT.
- CONTRACTOR SHALL VERIFY ALL ELECTRICAL LOADS NOTICE PHASE CONNECTION REQUIREMENTS, ETC.) OF EQUIPMENT FURNISHED UNDER DIVISION 15 WITH APPROVED MECHANICAL SHOP DRAWINGS BEFORE BEGINNING ROUGH IN.
- SEE SECTION 16510 OF THE SPECIFICATION REQUIRED COORDINATION MEETINGS WITH MECHANICAL AND CEILING CONTRACTORS.
- SEE APPLICABLE SHOP DRAWINGS FOR ROUGH IN LOCATION OF ALL EQUIPMENT, WIRING DEVICES, ETC., WHERE APPLICABLE. MOUNT ALL WIRING DEVICES ABOVE BACK SPLASH EXCEPT THOSE SERVING UNDER COUNTER EQUIPMENT.
- SEE SPECIFICATION FOR ENERGY SAVING LAMP AND BALLAST REQUIREMENTS.
- FINISHES OF ALL LIGHT FIXTURES SHALL BE AS SELECTED BY ARCHITECT.
- THE ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO SPRING, DUCTS, OR EQUIPMENT FOREGO TO THE OPERATION OF THE ELECTRICAL CONTRACTOR. ALL ELECTRICAL WORK SHALL BE COMPLETED BEFORE ANY MECHANICAL WORK IS INSTALLED. ELECTRICAL WORK SHALL BE INSTALLED ABOVE OR BELOW ELECTRICAL EQUIPMENT IN OTHER AREAS.
- ELECTRICAL BOXES SHALL NOT BE LOCATED IN MASONRY COLUMNS IN BRICK WALLS OR IN GROUTED CELLS ADJACENT TO OPENINGS. COORDINATE LOCATION OF BOXES WITH MASONRY CONTRACTOR.
- ALL PENETRATIONS OF FIRE RATED FLOORS, WALLS, AND CEILINGS SHALL BE SEALED WITH APPROVED MATERIAL TO MAINTAIN FIRE RATING OF SURFACE PENETRATED.
- CIRCUITS EXTENDING OVER 70' FOR 120 VOLT AND 165' FOR 277 VOLT 20 AMP CIRCUITS SHALL BE RUN WITH MINIMUM #10 CONDUCTORS.

DEMOLITION NOTES

- COORDINATE ALL NEW ELECTRICAL EQUIPMENT REQUIREMENTS AND MAKE CONNECTION TO EXISTING SYSTEMS. THIS INCLUDES LIGHTING, POWER, SIGNAL, RACEWAY AND OTHER SYSTEMS INCLUDED UNDER DIVISION 16.
- RELOCATE, REPAIR AND/OR RECONNECT EXISTING ELECTRICAL DEVICES AND/OR EQUIPMENT THAT FOR ANY REASON OBSTRUCTS CONSTRUCTION.
- CANCEL ALL RACEWAY AND WIRING IN EXISTING WALLS, CEILINGS, FLOORS, ETC. EXCEPT WHERE THE USE OF SURFACE METAL RACEWAYS (E.G. WIRE MOLD) IS INDICATED ON DRAWINGS OR IN SPEC.
- LEAVE ALL EXISTING EQUIPMENT, IN PORTIONS OF THE BUILDING NOT BEING REMODELED, IN WORKING CONDITION. RESTORE ALL INTERRUPTED BRANCH CIRCUITS, FEEDERS, ETC. TO WORKING CONDITION.
- EXISTING RACEWAYS MAY BE REUSED (IN PLACE) WHERE POSSIBLE, AND WHERE IN COMPLIANCE WITH THE SPECIFICATIONS AND THE INTENT OF THE CONTRACT DOCUMENTS. INSURE INTEGRITY OF EXISTING RACEWAY BEFORE REUSE.
- REMOVE ALL RACEWAYS, CONDUCTORS, BOXES, DEVICES, EQUIPMENT, ETC. THAT ARE NOT TO BE REUSED.
- REMOVE EXISTING LIGHT FIXTURES WHICH ARE NOT TO BE REUSED. PLACE IN CARTON, LABEL, AND RETURN TO OWNER. DO NOT PROPERLY DISPOSE OF FIXTURES THAT THE OWNER CHOOSES NOT TO REUSE.
- DO NOT PENETRATE STRUCTURAL ELEMENTS OF FLOORS, WALLS, CEILINGS, ROOFS, ETC.
- DISCONNECT AND RECONNECT ANY/ALL FIXTURES, DEVICES, EQUIPMENT, ETC. REQUIRED FOR PROPER COMPLETION OF THE WORK.
- PARTIAL DEMOLITION HAS BEEN DONE BY THE OWNER. VISIT THE SITE TO DETERMINE SCOPE OF ANY ADDITIONAL DEMOLITION AND REPAIR WORK REQUIRED TO MAINTAIN EXISTING ELECTRICAL SYSTEMS AND INSTALL NEW WORK.

INDEX OF ELECTRICAL DRAWINGS

- |       |                               |
|-------|-------------------------------|
| EG101 | SYMBOLS, SCHEDULES, AND NOTES |
| EL101 | LIGHTING PLAN                 |
| EP101 | POWER PLAN                    |
| EX301 | ELECTRICAL DIAGRAMS           |

ELECTRICAL SYMBOL SCHEDULE

- SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
- REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
- SUBSCRIPT KEY'S SWITCH TO FIXTURES CONTROLLED.
- NEKA TYPE BE NON-USED UNLESS NOTED F.F. (FUSED) USE "HD" 480 V.
- NEKA TYPE BE NON-USED UNLESS NOTED F.F. (FUSED) BELOW CEILING.
- PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
- DOUBLE ARROWS DENOTE A DOUBLE FACE UNIT.
- COORDINATE WITH MECHANICAL SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
- HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISH FLOOR.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	JUNCTION BOX (F" IN FLOOR)	AS NOTED	TO SLUIT EQUIP.
	MOTOR OUTLET	AS NOTED	TORQ 2000A
	PHOTO-ELECTRIC CONTROL	AS NOTED	
	TIME CLOCK	+4'-0"	2.
	PUSHBUTTON	+4'-0"	2.
	NON-FUSED DISCONNECT SWITCH	+4'-0"	5.
	FUSED DISCONNECT SWITCH	+4'-0"	2.
	MAGNETIC STARTER	+4'-0"	7.
	MAGNETIC STARTER / DISCONNECT COMBINATION	+4'-0"	
	VARIABLE FREQUENCY DRIVE	+4'-0"	
	PANEL BOARD	TOP AT +6'-0"	
	MAIN DISTRIBUTION PANEL	+6'-0"	
	TELEPHONE TERMINAL BOARD	+7'-6"	
	BELL	+7'-6"	
	CHIME	+7'-6"	
	FIRE ALARM MANUAL STATION	+4'-0"	2.
	FIRE ALARM SIGNAL HORN/STROBE PROJECTORS	+6'-8"	6.
	FIRE ALARM SIGNAL HORN/STROBE	+6'-8"	6.
	FIRE ALARM SIGNAL SPEAKER/STROBE	+6'-8"	6.
	SMOKE DETECTOR	CEILING	
	DUCT SMOKE DETECTOR	MTD. IN DUCT	
	HEAT DETECTOR	CEILING	
	FIRE/SMOKE DAMPER		
	DOOR HOLDER	AS NOTED	
	FLOW SWITCH		
	TAMPER SWITCH		
	WATER FLOOD INDICATOR		
	O.S. & Y. VALVE	SEE DIAGRAM	
	FIRE ALARM RELAY		
	FIRE ALARM CONTROL MODULE		
	FIRE ALARM MONITOR MODULE	+6'-8"	
	FIRE ALARM STROBE	+4'-0"	6.
	DURESIS PUSHBUTTON	+4'-0"	
	SECURITY SYSTEM DOOR SWITCH	DOOR AND CEILING	MOUNT AS PER MAN
	SECURITY SYSTEM OVERHEAD DOOR SWITCH	CEILING	MOUNT AS PER MAN
	MAGNETIC SHEAR LOCK	+4'-0"	2.
	SECURITY SYSTEM KEYED ACCESS SWITCH	AS NOTED	
	INFRARED SENSOR	AS NOTED	
	SECURITY MOTION DETECTOR	CEILING	
	GLASS BREAK DETECTOR	CEILING	
	ELECTRIC DOOR STRIKE	CEILING	
	ACCESS CONTROL CARD READER	+4'-0"	2.
	CLOSED CIRCUIT TELEVISION CAMERA	AS NOTED	
	DOOR POSITION INDICATING SWITCH		
	SOUND SYSTEM SPEAKER	+8'-0" OR AS NOTED	
	INTERCOM SPEAKER	AS NOTED	
	VOLUME CONTROL	+4'-0"	2.
	MICROPHONE OUTLET	+16"	11.
	MICROPHONE FLOOR OUTLET	FLOOR	
	MICROPHONE CEILING OUTLET	CEILING	
	SOUND EQUIPMENT CABINET	CEILING	CEILING TO 120W
	ARCHITECTURAL ROOM NUMBER		
	LIGHT FIXTURE (LETTER DESIGNATES TYPE)		
	EQUIPMENT NUMBER		

ELECTRICAL SYMBOL SCHEDULE

- SEE FIXTURE SCHEDULE FOR TYPE, MOUNTING AND WATTAGE.
- REFER TO DRAWINGS FOR DIRECTIONAL ARROWS.
- SUBSCRIPT KEY'S SWITCH TO FIXTURES CONTROLLED.
- NEKA TYPE BE NON-USED UNLESS NOTED F.F. (FUSED) USE "HD" 480 V.
- NEKA TYPE BE NON-USED UNLESS NOTED F.F. (FUSED) BELOW CEILING.
- PROVIDE H.O.A. AND S.S. PUSHBUTTONS AS REQUIRED.
- DOUBLE ARROWS DENOTE A DOUBLE FACE UNIT.
- COORDINATE WITH MECHANICAL SHOP DRAWINGS AND ELEVATIONS FOR HEIGHT.
- HEIGHT MEASURED TO BOTTOM OF THE BOX FROM FINISH FLOOR.

STANDARD MOUNTING HEIGHT UNLESS OTHERWISE NOTED ON PLANS

SYMBOL	DESCRIPTION	MOUNTING HEIGHT	NOTES
	ONE CIRCUIT, TWO WIRE HOME RUN TO PANEL		
	2 CIRCUIT, 3 WIRE, COMMON NEUTRAL, HOME RUN		
	3 CIRCUIT, 4 WIRE, COMMON NEUTRAL, HOME RUN		
	CONDUIT RUN CONCEALED IN WALL OR CEILING		
	CONDUIT RUN CONCEALED IN FLOOR OR GROUND		
	CONDUIT UP		
	CONDUIT DOWN		
	CONDUIT STUB LOCATION	CONDUIT	
	CABLE TRAY	AS NOTED	
	CEILING LIGHT FIXTURE	AS NOTED	1.
	RECESSED DOWNLIGHT FIXTURE	CEILING	1.
	FLUORESCENT LIGHT FIXTURE	AS NOTED	1
	FLUORESCENT EGRESS LIGHT FIXTURE	AS NOTED	UNSWITCHED
	AREA LIGHT POLE AND FIXTURE	CONCRETE BASE	SEE DIAGRAM
	FLOOD OR TRACK FIXTURE	AS NOTED	
	CEILING MOUNTED EXIT LIGHT	CEILING	1,3,8.
	SINGLE POLE SWITCH	+4'-0"	2.
	THREE-WAY SWITCH	+4'-0"	2.
	SINGLE POLE SWITCH	+4'-0"	4, 2.
	FOUR-WAY SWITCH	+4'-0"	2.
	KEY OPERATED SWITCH	+4'-0"	2.
	SWITCH WITH PILOT LIGHT	+4'-0"	2.
	VARIABLE INTENSITY SWITCH	+4'-0"	2.
	TIMER SWITCH	+4'-0"	2.
	MOMENTARY CONTACT SWITCH, CENTER POSITION OFF	+4'-0"	2.
	OCCUPANCY SENSOR	CEILING	
	POWER PACK	+4'-0"	2.
	AUTOMATIC RELAY PACK	CEILING	SEE DIAGRAM, SPEC.
	LOW VOLTAGE TRANSFORMER	CEILING	
	DUPLEX RECEPTACLE	+16" OR AS NOTED	9, 11.
	DUPLEX RECEPTACLE	+16" OR AS NOTED	9, 11.
	DUPLEX RECEPTACLE	+16" OR AS NOTED	9, 11.
	DUPLEX RECEPTACLE	+16" OR AS NOTED	9.
	DUPLEX RECEPTACLE	+16" OR AS NOTED	SEE DIAGRAM
	WEATHERPROOF RECEPTACLE	+16" OR AS NOTED	2, 9.
	ISOLATED GROUND RECEPTACLE	+16" OR AS NOTED	9, 11.
	GROUND FAULT INTERRUPTER DUPLEX RECEPTACLE	+16" OR AS NOTED	9, 11.
	DUPLEX RECEPTACLE EMERGENCY POWER (RED)	+16" OR AS NOTED	9, 11.
	FOURPLEX RECEPTACLE	+16" OR AS NOTED	9, 11.
	FOURPLEX RECEPTACLE EMERGENCY POWER (RED)	+16" OR AS NOTED	9, 11.
	FLOOR OUTLET WITH 20A DEVICE	FLOOR	
	MULTIPLE SERVICE FLOOR BOX	+16" OR AS NOTED	10. WITH CAP. 11.
	SPECIAL PURPOSE OUTLET	SEE DIAGRAM	
	PLUGMOLD	+46" OR AS NOTED	11.
	TELEVISION OUTLET	+16" OR AS NOTED	9, 11.
	DATA OUTLET	+16" OR AS NOTED	9, 11.
	TELEPHONE OUTLET	+16" OR AS NOTED	9, 11.
	TELEPHONE/DATA OUTLET	+16" OR AS NOTED	9, 11.
	TELEPHONE OUTLET	FLOOR	
	CALL SWITCH	+4'-0"	2.
	CLOCK OUTLET	+7'-6"	8.
	CLOCK/SPEAKER COMBINATION	+7'-6"	

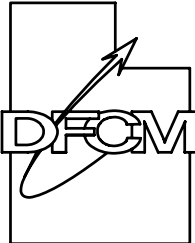
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Revision # Date

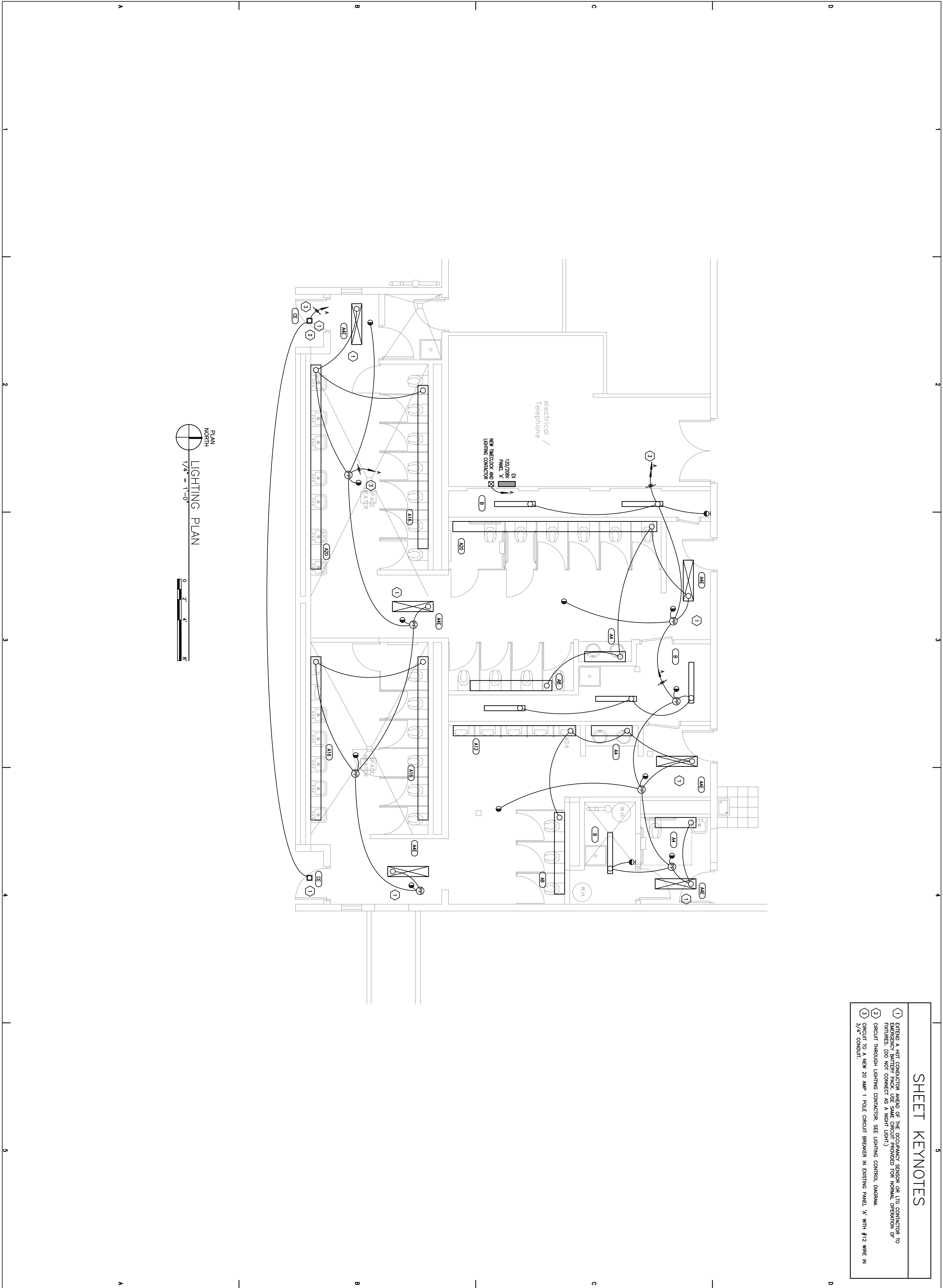
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Owner # DFCM # 06254370  
Date 02-28-06  
Drawn  
Checked EF

SYMBOLS, SCHEDULES, AND NOTES

EG101



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## SHEET KEYNOTES

- 1 EXTEND A HOT CONDUCTOR AHEAD OF THE OCCUPANCY SENSOR OR LTO CONDUCTOR TO THE LIGHTING FIXTURE. (DO NOT CONNECT AS A NIGHT LIGHT)
- 2 CIRCUIT THROUGH LIGHTING CONTROLLER. SEE LIGHTING CONTROL DIAGRAM.
- 3 CIRCUIT TO A NEW 20 AMP 1 POLE CIRCUIT BREAKER IN EXISTING PANEL 'A' WITH #12 WIRE IN 3/4" CONDUIT.

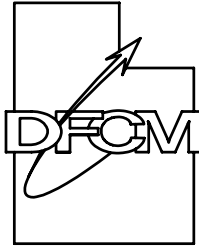
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LIGHTING PLAN



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EL101



SHEET KEYNOTES

- 1 PROVIDE BLANK COVER PLATES ON ALL UNUSED JUNCTION BOXES.
- 2 CIRCUIT TO A 20 AMP 1 POLE CIRCUIT BREAKER IN EXISTING PANEL, 'A' WITH #12 CU WIRE IN 3/4" CONDUIT.

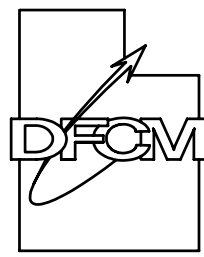
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POWER PLAN

EP101



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